

MATERIAL SAFETY DATA SHEET

HMIS: Health - 1 Fire - 0 Reactivity - 0

Revision Date: 12/15/98

In case of an emergency, call; 248-585-7500

EPOXI-TECH, INC.
32700 Industrial Dr.
Madison Heights, MI 48071

I. IDENTIFICATION & PHYSICAL DATA

Product name: Multi Purpose Epoxy/Acrylic
Part 'A'
Product Class: Epoxy dispersion
Manufacturer's ID: 25001
VOC: 173 g/L
Evaporation Rate: slower than butyl acetate
Appearance and Odor: white liquid

Percent volatile by weight: 60%
Boiling Range: >210 °F
Vapor Density (air=1): >1
Weight Per Gallon: 8.9 lbs/gal
Vapor Pressure at 20 C°: <20 mmHg
Solubility in Water: dispersion

II. HAZARDOUS INGREDIENTS

Ingredient	CAS #	WT %	OSHA TWA ppm	OSHA STEL ppm	ACGIH STEL ppm
modified bisphenol-A/ECH based epoxy resin	**	40-56	N/E	N/E	N/E
2-propoxy ethanol	2807-30-9	< 9	N/E	N/E	N/E
water	7732-18-5	40-50	N/E	N/E	N/E

** proprietary

III. FIRE & EXPLOSION DATA

Flashpoint: >200 °F (>93°C) Setflash

LEL: N/AV

Extinguishing Media: Use water fog, "alcohol" foam, dry chemical or CO2.

Special Fire Fighting Procedures: Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots). Including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

Unusual Fire & Explosion Hazards: Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

IV. REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions and materials to Avoid: Avoid heat, flame and contact with strong oxidizing agents. Can react vigorously with strong Lewis or mineral acids and strong mineral and organic bases, especially primary and secondary aliphatic amines. Reaction with some curing agents may produce considerable heat

Hazardous Decomposition Products: Fumes produced when heated to decomposition may include, carbon monoxide, carbon dioxide, aldehydes, acids and other organic compounds.

V. HEALTH HAZARD DATA

Effects of Overexposure:

Eye Contact: May be severely irritating to the eyes. May cause corneal damage.

Skin Contact: Product may be irritating to the skin. Prolonged or repeated liquid contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis. Product is presumed to be toxic and is harmful if absorbed through the skin. May produce damage to red blood cells. Product may cause skin sensitization.

Inhalation: May cause irritation to the nose, throat, and respiratory tract. High vapor concentrations may produce central nervous system (CNS) depression. May be harmful if inhaled. May produce damage to red blood cells.

Ingestion: Product may be moderately toxic and may be harmful if swallowed. May produce CNS depression and damage to red blood cells.

Aggravated Medical Conditions: Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product. Preexisting skin or lung allergies may increase the chance of developing increased allergy symptoms from exposure to this product.

Emergency & First Aid Procedures:

Eye Contact: Flush with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

Skin Contact: Remove contaminated clothing/shoes and wipe excess from skin. Flush skin with water. Follow by washing with soap and water. If irritation occurs. Get medical attention. Do not reuse clothing until cleaned. Contaminated leather articles, including shoes, cannot be decontaminated and should be destroyed to prevent reuse.

Inhalation: In case of exposure to a high concentration of vapor or mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.

Ingestion: Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

Note to Physician: If more than 2.0ml per Kg has been ingested and vomiting has not occurred, emesis should be induced with supervision. Keep victim's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

VI. SPILL OR LEAK PROCEDURES

Steps to Be Taken in the Event of a Spill: Dike spill. Soak up material with an absorbent such as clay, sand or other suitable material. Dispose of properly. Flush area with water to remove residue. Prevent washing from entering waterways. Spills or releases to the environment may be reportable to the National Response center (800-424-8802) and to state and/or local agencies.

Waste Disposal Method: Incinerate or use biological treatment in accordance with federal, state, and local regulations.

VII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Avoid breathing vapor or mists. Use a NIOSH-approved respirator as required to prevent overexposure. In accord with 29 CFR 1920.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

Ventilation: Local exhaust recommended when appropriate to control employee exposure. Mechanical is not recommended as the sole means of controlling employee exposure.

Protective Gloves: For operations where contact can occur, wear impervious gloves (Neoprene)

Eye Protection: Chemical splash goggles

Other Protective Equipment: For operations where contact can occur, coveralls, apron and rubber foot covering are recommended. A safety shower and eye wash facility should be available.

VIII. SPECIAL PRECAUTIONS

Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.

WARNING. Potential skin sensitizer. May cause severe eye irritation. Minimize bodily contact with material. Wash with soap and water before eating. Drinking, smoking, applying cosmetics or using toilet facilities. Launder contaminated clothing before reuse. Air-dry contaminated clothing in a well ventilated area before laundering.

Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse.

IX. STATE REGULATORY INFORMATION

This information is provided in conjunction with the ingredient information in Section II to meet various regulatory composition requirements.

Component	CAS#	amount	Lists
none known			

CA = CALIFORNIA HAZ. SUBST. LIST; CA65C, CA65R, CA65C/R = CALIFORNIA SAFE DRINKING WATER AND TOXICES ENFORCEMENT ACT OF 1986 OR PROPOSITION 65 LIST; CT = CONNECTICUT TOXIC. SUBST. LIST; FL = FLORIDA SUBST. LIST; IL = ILLINOIS TOX. SUBST. LIST; LA = LOUISIANA HAZ. SUBST. LIST; MA = MASSACHUSETTS SUBST. LIST; ME = MAINE HAZ. LIST; MN = MINNESOTA HAZ. SUBST. LIST; NJ = NEW JERSEY HAZ. SUBST. LIST; PA = PENNSYLVANIA HAZ. SUBST. LIST; RI = RHODE ISLAND HAZ. SUBST. LIST

CALIFORNIA PROPOSITION 65 FOOTNOTE. CA65C = THE CHEMICAL IDENTIFIED WITH THIS CODE IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. CA65R = THE CHEMICAL IDENTIFIED WITH THIS CODE IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. CA65C/R = THE CHEMICAL IDENTIFIED WITH THIS CODE IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BOTH CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

X. SARA TITLE III INFORMATION

This product contains the following chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-know Act of 1986 and of 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for this material.

Component	CAS#	311/312 category
2-propoxy ethanol	2807-30-9	H-1, H-2

SARA Section 311 and 312 hazard classification(s) for this product are listed below.

H-1 = Immediate (acute) health hazard; H-2 = Delayed (chronic) health hazard;

P-3 = Fire hazard; P-4 = Sudden release of pressure hazard; P-5 = Reactive hazard

XI. RCRA INFORMATION

Since this product is not sold as a waste, we have not tested it as a waste. Based on our knowledge of the product, its raw materials and processes employed during its manufacture, we believe it is unlikely that this product is a hazardous waste for Federal RCRA purposes. We recommend that you carry out your own tests and evaluations prior to discarding any materials.

XII. CERCLA INFORMATION

Under EPA-CERCLA releases to air, land or water which exceed the reportable quantity must be reported to the National Response Center (800-424-8802). Keep out of surface waters, sewers, and waterways entering or leading to surface waters. Notify authorities if any exposure to the general public or environment occurs or is likely to occur.

XII. TRANSPORTATION INFORMATION

DEPARTMENT OF TRANSPORTATION CLASSIFICATION: Not hazardous by D.O.T. regulations

D.O.T. PROPER NAME: Not regulated

OTHER REQUIREMENTS: None

XIV. SPECIAL NOTES

To the best of our knowledge, the information contained herein is accurate. However, no liability whatsoever is assumed for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that they are the only hazards that exist.